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**Resistivity of  $\text{Sr}_2\text{RuO}_4$  under uniaxial stress** DANIEL BRODSKY, CLIFFORD HICKS, ANDREW P. MACKENZIE, University of St Andrews — We report high precision resistivity measurements on single crystals of  $\text{Sr}_2\text{RuO}_4$  under in-plane uniaxial stress. A specially built probe enables the stress to be varied continuously whilst the sample is at low temperature. The needle-like shape of the samples ensures that the strain is homogeneous in the region probed. We compare results for different directions of applied stress relative to the crystal axes.

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